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EMAIL AND THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
COMMENTS ON THE UTILITY SURVEY AND PREFERENTIAL FLOW INVESTIGATION
WORK PLAN NAS SOUTH WEYMOUTH MA
02/05/2015
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

From: [Chaffin, David \(DEP\)](#)
To: [Helland, Brian J CIV NAVFAC MIDLANT, EV](#); [Barney, David A CIV NAVFACHQ, BRAC PMO](#); [Snyder, Michelle](#)
Cc: [Keating, Carol](#); [O'Connor, Laurie](#)
Subject: Building 81 Utility Survey and Preferential Flow Investigation
Date: Thursday, February 05, 2015 10:55:41 AM

For Use In Intra-Agency Policy Deliberations

The Utility Survey and Preferential Flow Investigation Work Plan looks good to me. A few comments:

1. MassDEP recommends that water level measurements presented in the Building 82 "Remedial Investigation Addendum" (July 2011) be considered when assessing the potential effects of utilities on contaminant distribution. In particular, contoured groundwater elevations extending from the Building 81 Site to the Building 82 Site, shown in Figures 3-1, 3-2, and 3-3 of the addendum, clearly indicate that the storm sewer on the west side of Shea Drive acts as a groundwater sink at times. Similarly, contours suggest that the storm sewer adjacent to Redfield Road draws groundwater from the Building 81 site northwestward.
2. Table 1-1 was not included in the Plan.
3. MassDEP recommends that the work plan be expanded to address the open boreholes at the site. As noted in the comments on the Building 81 "Baseline Groundwater Evaluation", the open boreholes have created preferential pathways by which contaminants and injection fluids may migrate to unintended locations during treatment. Consequently, an evaluation is necessary to determine which open boreholes will be abandoned, converted to monitoring wells, or modified for use as injection points. The resulting decisions should be implemented prior to initiating treatment.

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-----Original Message-----

From: Snyder, Michelle [<mailto:Michelle.Snyder@aecom.com>]
Sent: Monday, February 02, 2015 3:14 PM
To: Keating, Carol; Chaffin, David (DEP)
Cc: Barney, David A CIV NAVFACHQ, BRAC PMO; Helland, Brian J CIV NAVFAC MIDLANT, EV; O'Connor, Laurie
Subject: B81 & 82 Documents for review

Hello,

As requested, attached please find the following:

- 1 - a tech memo discussing the addition of EHC as an injection amendment for Building 81.
- 2 - a Utility Survey and Preferential Flow Investigation Work Plan for Building 81.
- 3 - a table summarizing the GW sampling event we are proposing for B82. Also included is a supporting figure and

tables summarizing all of the pre and post injection data.

Please let us know if you have any questions or comments.

Thank you,

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